

IN THE CLAIMS

1. (Currently amended) A device comprising:
a network interface for coupling a network device using a second packet signaling protocol to a network using a first packet signaling protocol; and
a processor coupled with the network interface, in which the processor is adapted to
receive and analyze a message to initiate communications from the network device using [[a]] the second packet signaling protocol with the network using the first packet signaling protocol;
convert the message received in the second packet signaling protocol to a message in the first packet signaling protocol; and
transmit the message converted to [[in]] the first packet signaling protocol to a network gatekeeper.
2. (Currently amended) The device of claim 1, wherein
the first packet signaling protocol comprises H.323 protocol,
the second packet signaling protocol comprises Session Initiation Protocol (SIP),
the message received in the second packet signaling protocol comprises a SIP invite message to initiate communications with a network device associated with the gatekeeper,
and
the message in the first packet signaling protocol comprises an H.323 request message.
3. (Currently amended) The device of claim 1, wherein
the first packet signaling protocol comprises SIP,
the second packet signaling protocol comprises H.323 protocol,
the message received in the second packet signaling protocol comprises an H.323 request message to initiate communications with a network device associated with the gatekeeper, and
the message in the first packet signaling protocol comprises a SIP invite message.

4. (Currently amended) The device of claim 1, in which the processor is further adapted to:

receive a response message in the first packet signaling protocol responsive to the message ~~converted to~~ ~~transmitted in~~ the first packet signaling protocol and transmitted to the network gatekeeper;

decode from the response message received in the first packet signaling protocol a primary network address corresponding to a primary network device associated with the gatekeeper;

convert the response message received in the first packet signaling protocol to a reply message in the second packet signaling protocol; and

send the reply message in the second packet signaling protocol that contains the primary network address.

5. (Currently amended) The device of claim 4, in which
the message received in the second packet signaling protocol is received from a first device, and

the reply message to the message received from the first device is sent to a second device different from the first device.

6 – 8 (Canceled)

9. (Previously presented) The device of claim 4, in which the processor is further adapted to:

decode from the response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and

in which the reply message further contains the alternate network address.

10. (Currently amended) A device comprising:

a network interface for coupling an H.323 network device to a Session Initiation Protocol (SIP) network; and

a processor coupled with the network interface, in which the processor is adapted to
receive and analyze a H.323 request message from the H.323 network device
to initiate communications with the SIP network;

convert the analyzed H.323 request message to a SIP location request message; and
transmit the SIP location request message to a SIP gatekeeper.

11. (Previously presented) The device of claim 10, in which the H.323 request message is an Abstract Syntax Notation One (ASN.1) encoded Registration, Admission , Status (RAS) Location Request (LRQ) message.
12. (Original) The device of claim 10, in which the gatekeeper is preconfigured, and the SIP location request message is transmitted over a User Datagram Protocol (UDP) socket.
13. (Previously presented) The device of claim 10, in which the processor is further adapted to:
 - receive a SIP response message responsive to the transmitted SIP location request message;
 - decode from the SIP response message a primary network address corresponding to a primary network device associated with the gatekeeper;
 - convert the SIP response message to an H.323 reply message; and
 - send the H.323 reply message to the H.323 request message that contains the primary network address.
14. (Previously presented) The device of claim 13, in which the processor is further adapted to:
 - decode from the SIP response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and
 - in which the H.323 reply message to the H.323 request message further contains the alternate network address.
15. (Currently amended) A device comprising:
 - means for receiving and analyzing a message to initiate communications from a network device using a second packet signaling protocol with a network using a first packet signaling protocol;

means for converting the message received in the second packet signaling protocol to a message in the first packet signaling protocol; and

means for transmitting the message ~~[[in]]~~ converted to the first packet signaling protocol to a network gatekeeper.

16. (Currently amended) The device of claim 15, wherein
the first packet signaling protocol comprises H.323 protocol,
the second packet signaling protocol comprises Session Initiation Protocol (SIP),
the message received in the second packet signaling protocol comprises a SIP invite message to initiate communications with a network device associated with the gatekeeper,
and

the message in the first packet signaling protocol comprises an H.323 request message.

17. (Currently amended) The device of claim 15, wherein
the first packet signaling protocol comprises SIP,
the second packet signaling protocol comprises H.323 protocol,
the message received in the second packet signaling protocol comprises an H.323 request message to initiate communications with a network device associated with the gatekeeper, and

the message in the first packet signaling protocol comprises a SIP invite message.

18. (Currently amended) The device of claim 15, further comprising:
means for receiving a response message in the first packet signaling protocol responsive to the message converted to ~~transmitted in~~ the first packet signaling protocol ~~to the network gatekeeper~~;

means for decoding from the response message in the first packet signaling protocol a primary network address corresponding to a primary network device associated with the gatekeeper;

means for converting the response message received in the first packet signaling protocol to a reply message in the second packet signaling protocol; and

means for sending the reply message in the second packet signaling protocol that contains the primary network address.

19. (Currently amended) The device of claim 18, in which
the message received in the second packet signaling protocol is received from a first device, and

the reply message ~~message~~ received from the first device is sent to a second device different from the first device.

20 – 22 (Canceled)

23. (Previously presented) The device of claim 18, further comprising:
means for decoding from the response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and
in which the reply message further contains the alternate network address.

24. (Currently amended) A device comprising:
means for receiving and analyzing a H.323 request message to initiate communications with a network using Session Initiation Protocol (SIP);
means for converting the analyzed H.323 request message to a SIP location request message; and
means for transmitting the SIP location request message to a SIP gatekeeper.

25. (Previously presented) The device of claim 24, in which
the H.323 request message is a ASN.1 encoded RAS LRQ message.

26. (Original) The device of claim 24, in which
the gatekeeper is preconfigured, and
the SIP location request message is transmitted over a UDP socket.

27. (Previously presented) The device of claim 24, further comprising:
means for receiving a SIP response message responsive to the transmitted SIP location request message;
means for decoding from the SIP response message a primary network address corresponding to a primary network device associated with the gatekeeper;
means for converting the SIP response message to an H.323 reply message; and

means for sending the H.323 reply message to the H.323 request message that contains the primary network address.

28. (Previously presented) The device of claim 27, further comprising:

means for decoding from the SIP response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and

in which the H.323 reply message to the H.323 request message further contains the alternate network address.

29. (Currently amended) An article comprising: a storage medium, the storage medium having instructions stored thereon, in which when the instructions are executed by at least one device, they result in:

receiving and analyzing a message to initiate communications from a network device using a second packet signaling protocol with a network using a first packet signaling protocol;

converting message received in the second packet signaling protocol to a message in the first packet signaling protocol; and

transmitting the message in the first packet signaling protocol to a network gatekeeper.

30. (Currently amended) The article of claim 29, wherein

the first packet signaling protocol comprises H.323 protocol;

the second packet signaling protocol comprises SIP;

the message received in the second packet signaling protocol comprises a SIP invite message to initiate communications with a network device associated with the gatekeeper; and

the message in the first packet signaling protocol comprises an H.323 request message.

31. (Currently amended) The article of claim 29, wherein

the first packet signaling protocol comprises SIP,

the second packet signaling protocol comprises H.323 protocol,

the message received in the second packet signaling protocol comprises an H.323 request message to initiate communications with a network device associated with the gatekeeper, and

the message in the first packet signaling protocol comprises a SIP invite message.

32. (Currently amended) The article of claim 29, in which the instructions further result in:

receiving a response message in the first packet signaling protocol responsive to the message transmitted in the first packet signaling protocol to the network gateway;

decoding from the response message a primary network address corresponding to a primary network device associated with the gatekeeper;

converting the response message received in the first packet signaling protocol to a reply message in the second packet signaling protocol; and

sending the reply message in the second packet signaling protocol that contains the primary network address.

33. (Currently amended) The article of claim 32, in which

the message received in the second packet signaling protocol is received from a first device, and

the reply message to the message received from the first device is sent to a second device different from the first device.

34 – 36 (Canceled)

37. (Previously presented) The article of claim 32, in which the instructions further result in:

decoding from the response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and

in which the reply message further contains the alternate network address.

38. (Currently amended) An article comprising: a storage medium, the storage medium having instructions stored thereon, in which when the instructions are executed by at least one device, they result in:

receiving and analyzing a H.323 request message to initiate communications with a network using Session Initiation Protocol (SIP);

converting the analyzed H.323 request message to a SIP location request message;
and

transmitting the SIP location request message to a SIP gatekeeper.

39. (Previously presented) The article of claim 38, in which
the H.323 request message is a ASN.1 encoded RAS LRQ message.

40. (Original) The article of claim 38, in which
the gatekeeper is preconfigured, and
the SIP location request message is transmitted over a UDP socket.

41. (Previously presented) The article of claim 38, in which the instructions further result
in:

receiving a SIP response message responsive to the transmitted SIP location request
message;

decoding from the SIP response message a primary network address corresponding to
a primary network device associated with the gatekeeper;

converting the SIP response message to an H.323 reply message; and

sending the H.323 reply message to the H.323 request message that contains the
primary network address.

42. (Previously presented) The article of claim 41, in which the instructions further result
in:

decoding from the SIP response message also an alternate network address
corresponding to an alternate network device associated with the gatekeeper, and

in which the H.323 reply message to the H.323 request message further contains the
alternate network address.

43. (Currently amended) A method comprising:

receiving and analyzing a message to initiate communications using a second packet
signaling protocol with a network using a first packet signaling protocol;

converting the message received in the second packet signaling protocol to a message in [[a]] the first packet signaling protocol; and
transmitting the message in the first packet signaling protocol to a network gatekeeper.

44. (Currently amended) The method of claim 43, ~~in which~~ wherein
the first packet signaling protocol comprises H.323 protocol,
the second packet signaling protocol comprises Session Initiation Protocol (SIP),
the message received in the second packet signaling protocol comprises a SIP invite message to initiate communications with a network device associated with the gatekeeper,
and

the message in the first packet signaling protocol comprises an H.323 request message.

45. (Currently amended) The method of claim 43, wherein
the first packet signaling protocol comprises SIP,
the second packet signaling protocol comprises H.323 protocol,
the message received in the second packet signaling protocol comprises an H.323 request message to initiate communications with a network device associated with the gatekeeper, and

the message in the first packet signaling protocol comprises a SIP invite message.

46. (Currently amended) The method of claim 43, further comprising:
receiving a response message in the first packet signaling protocol responsive to the message transmitted in the first packet signaling protocol to the network gatekeeper;

decoding from the response message a primary network address corresponding to a primary network device associated with the gatekeeper;

converting the response message received in the first packet signaling protocol to a reply message in the second packet signaling protocol; and

sending the reply message in the second packet signaling protocol that contains the primary network address.

47. (Currently amended) The method of claim 46, in which
the message received in the second packet signaling protocol is received from a first device, and
the reply message to the message received from the first device is sent to a second device different from the first device.

48 – 49 (Canceled)

51. (Previously presented) The method of claim 46, further comprising:
decoding from the response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and
in which the reply message further contains the alternate network address.

52. (Currently amended) A method comprising:
receiving and analyzing a H.323 request message to initiate communications with a network using Session Initiation Protocol;
converting the analyzed H.323 request message to a SIP location request message;
and
transmitting the converted SIP location request message to a SIP gatekeeper.

53. (Previously presented) The method of claim 52, in which
the H.323 request message is a ASN.1 encoded RAS LRQ message.

54. (Original) The method of claim 52, in which
the gatekeeper is preconfigured, and
the SIP location request message is transmitted over a UDP socket.

55. (Previously presented) The method of claim 52, further comprising:
receiving a SIP response message responsive to the transmitted SIP location request message;
decoding from the SIP response message a primary network address corresponding to a primary network device associated with the gatekeeper;
converting the SIP response message to an H.323 reply message; and

sending the H.323 reply message to the H.323 request message that contains the primary network address.

56. (Previously presented) The method of claim 55, further comprising:
decoding from the SIP response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and
in which the H.323 reply message to the H.323 request message further contains the alternate network address.